ANALYTICAL SUMMARY REPORT

June 01, 2012

Atkins North America Missoula 1120 Cedar St Missoula, MT 59802-3911

Workorder No.: B12052486 Quote ID: B2325 - East Poplar

Project Name: Poplar PWS

Energy Laboratories Inc Billings MT received the following 4 samples for Atkins North America Missoula on 5/29/2012 for analysis.

Sample ID	Client Sample ID	Collect Date Receive Date	e Matrix	Test
B12052486-001	4298-COP1-UNT1	05/29/12 9:30 05/29/12	Drinking Water	Anions by Ion Chromatography Solids, Total Dissolved
B12052486-002	4298-COP1-TRE1	05/29/12 10:00 05/29/12	Drinking Water	Same As Above
B12052486-003	4298-COP1-DIST	05/29/12 10:30 05/29/12	Drinking Water	Same As Above
B12052486-004	4298-COP4-UNT1	05/29/12 9:00 05/29/12	Drinking Water	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on an as received basis unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



Prepared by Billings, MT Branch

Client: Atkins North America Missoula

 Project:
 Poplar PWS

 Lab ID:
 B12052486-001

 Client Sample ID
 4298-COP1-UNT1

Report Date: 06/01/12 **Collection Date:** 05/29/12 09:30

DateReceived: 05/29/12

Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	1180	mg/L		10		A2540 C	05/30/12 13:03 / ser
INORGANICS Chloride	231	mg/L	D	2		E300.0	05/31/12 14:19 / jrs

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

 $\ensuremath{\mathsf{D}}$ - $\ensuremath{\mathsf{RL}}$ increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Prepared by Billings, MT Branch

Client: Atkins North America Missoula

 Project:
 Poplar PWS

 Lab ID:
 B12052486-002

 Client Sample ID
 4298-COP1-TRE1

Report Date: 06/01/12 **Collection Date:** 05/29/12 10:00 **DateReceived:** 05/29/12

Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	1200	mg/L		10		A2540 C	05/30/12 13:03 / ser
INORGANICS Chloride	248	mg/L	D	2		E300.0	05/31/12 14:30 / jrs

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

 $\ensuremath{\mathsf{D}}$ - $\ensuremath{\mathsf{RL}}$ increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Prepared by Billings, MT Branch

Client: Atkins North America Missoula

 Project:
 Poplar PWS

 Lab ID:
 B12052486-003

 Client Sample ID
 4298-COP1-DIST

Report Date: 06/01/12 **Collection Date:** 05/29/12 10:30

DateReceived: 05/29/12

Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	1180	mg/L		10		A2540 C	05/30/12 13:03 / ser
INORGANICS Chloride	247	mg/L	D	2		E300.0	05/31/12 14:41 / jrs

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

 $\ensuremath{\mathsf{D}}$ - $\ensuremath{\mathsf{RL}}$ increased due to sample matrix.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Prepared by Billings, MT Branch

Client: Atkins North America Missoula

 Project:
 Poplar PWS

 Lab ID:
 B12052486-004

 Client Sample ID
 4298-COP4-UNT1

Report Date: 06/01/12 **Collection Date:** 05/29/12 09:00

Matrix: Drinking Water

DateReceived: 05/29/12

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Dissolved TDS @ 180 C	1160	mg/L		10		A2540 C	05/30/12 13:03 / ser
INORGANICS Chloride	227	mg/L	D	2		E300.0	05/31/12 14:52 / jrs

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

 $\ensuremath{\mathsf{D}}$ - $\ensuremath{\mathsf{RL}}$ increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client:Atkins North America MissoulaReport Date:06/01/12Project:Poplar PWSWork Order:B12052486

Analyte	Result Units	RL %REC Low Limit High Limit RPD RPDLimit Qual
Method: A2540 C		Batch: TDS120530A
Sample ID: MBLK4	Method Blank	Run: BAL #11_120530B 05/30/12 13:00
Solids, Total Dissolved TDS @ 180 C	ND mg/L	10
Sample ID: LCS4	Laboratory Control Sample	Run: BAL #11_120530B 05/30/12 13:00
Solids, Total Dissolved TDS @ 180 C	2020 mg/L	10 101 90 110
Sample ID: B12052462-002A MS	Sample Matrix Spike	Run: BAL #11_120530B 05/30/12 13:00
Solids, Total Dissolved TDS @ 180 C	2290 mg/L	10 99 90 110
Sample ID: B12052462-006A DUP	Sample Duplicate	Run: BAL #11_120530B 05/30/12 13:02
Solids, Total Dissolved TDS @ 180 C	273 mg/L	10 90 110 2.9 5



QA/QC Summary Report

Prepared by Billings, MT Branch

Client:Atkins North America MissoulaReport Date:06/01/12Project:Poplar PWSWork Order:B12052486

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical F	Run: IC203-B	_120531A
Sample ID:	ICV053112-11	Initial Calibratio	n Verification Star	ndard					05/3	1/12 12:50
Chloride		24.6	mg/L	1.0	98	90	110			
Method:	E300.0								Batch	: R186133
Sample ID:	ICB053112-12	Method Blank				Run: IC203	-B_120531A		05/3	1/12 13:01
Chloride		ND	mg/L	0.2						
Sample ID:	LFB053112-13	Laboratory Fort	ified Blank			Run: IC203	-B_120531A		05/3	1/12 13:12
Chloride		24.7	mg/L	1.0	99	90	110			
Sample ID:	B12052329-002AMS	Sample Matrix S	Spike			Run: IC203	-B_120531A		05/3	1/12 16:21
Chloride		54.0	mg/L	1.0	103	90	110			
Sample ID:	B12052329-002AMSD	Sample Matrix S	Spike Duplicate			Run: IC203	-B_120531A		05/3	1/12 16:33
Chloride		54.0	mg/L	1.0	103	90	110	0.1	20	



Workorder Receipt Checklist

B12052486

Atkins North America Missoula

Login completed by:	Jill M. Lippard	Date Received: 5/29/2012						
Reviewed by:	BL2000\jklier		Red	ceived by: jrz				
Reviewed Date:	5/30/2012			Carrier Hand Del name:				
Shipping container/cooler in	good condition?	Yes √	No 🗌	Not Present				
Custody seals intact on shipp	oing container/cooler?	Yes 🗸	No 🗌	Not Present				
Custody seals intact on sample bottles?		Yes	No 🗌	Not Present ✓				
Chain of custody present?		Yes ✓	No 🗌					
Chain of custody signed when relinquished and received?		Yes 🔽	No 🗌					
Chain of custody agrees with sample labels?		Yes ✓	No 🗌					
Samples in proper container/bottle?		Yes 🔽	No 🗌					
Sample containers intact?		Yes ✓	No 🗌					
Sufficient sample volume for indicated test?		Yes ✓	No 🗌					
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Su	onsidered field parameters	Yes 🔽	No 🗌					
Container/Temp Blank tempe	erature:	0.0°C On Ice, Ten	np Blank					
Water - VOA vials have zero	headspace?	Yes	No 🗌	No VOA vials submitted 🗸				
Water - pH acceptable upon	·	Yes ✓	No 🗌	Not Applicable				
Contact and Corrective Actio	n Comments:							

None

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Chain of Custody and Analytical Request Record

\$205.2486-001 282 8 8 Ž EPA/State Compliance: Sampler: (Please Print) □ 8 MERRIT Quote/Bottle Order なこり Custody Seal
On Bottle
On Cooler Receipt Tern o O Signature Match On Ice: Intact 3ISM Yes□ RUSH sample submittal the State Contact ELI prior to scheduling - See Instruction Page for charges and Comments: 86240000 Email: - TSRSWT. MERCATT 0 Purchase Order: ATENT GLOBAL. COM Sample Origin (Provide as much information as possible.) State: Date/Time: \propto 工 Standard Turnaround (TAT) SEE ATTACHED 212L-125 90h REQUESTED Received by (print) 546-0573 Phone/Fax: 200 Project Name, PWS, Permit, Etc. ANALYSIS Invoice Contact & Phone: Kasur Meren 五年 PLEASE PRINT 50 POPLAR Contact Name: く Number of Containers
Sample Type: A W S W B O D
Air Water <u>S</u>oila/Solids
<u>Veg</u>etation <u>Bioassay</u> <u>Other</u>
DW - Drinking Water HRIS MATRIX 3 ζ 029 EDD/EDT (Electronic Data) Collection 20885 0 Time 020 0 M 0 9 C 5/29 Date/Time: Collection LEVEL IV Y Date 62/ Format: NELAC MI SCOULA, MIT Report Mail Address: 1120 CGOIR וכלישיעום V スイエル XX VIIII 4298. COP 4-UNT Name, Location, Interval, etc.) Relinquished by (print) 1510-100-8624 SAMPLE IDENTIFICATION 4298.0011-TRE Special Report/Formats: 子恭-1200.862九 Trans POTW/WWTP Company Name: Invoice Address Custody Record Other: State: ≥ 5

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links

Lab Disposal:

Return to Client:

Sample Disposal:

LEROMEN

Received by Laborator

Signature

Date/Time:

Received by (print)

MUST be Signed